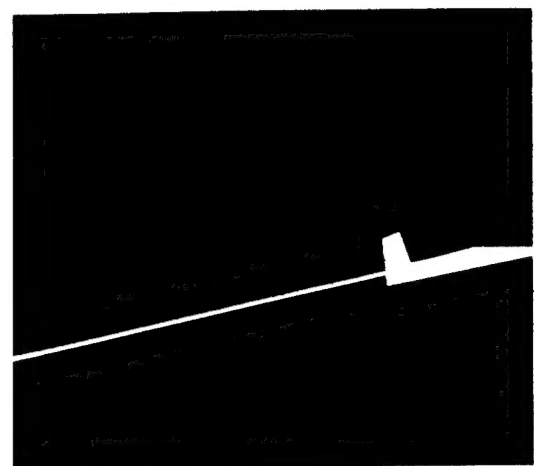


SID12189



**SIDAC**

Supportability Investment Decision Analysis Center

Contract No. F33657-92-D-2055/Delivery Order No. 0081  
CDRL A009, Data Item DI-MGMT-80057  
Report No. SID/MR-94/0042

(Unclassified)

## Task Assignment Plan

for

**Development of LG  
Databases and Expansion  
of SEMR**

Prepared for

HQ USAF/LGSI  
1030 Air Force Pentagon  
Washington, DC 20330-1030  
Attn: Maj Randy Moller

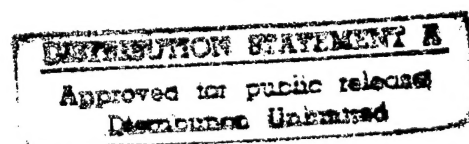
30 October 1994

Prepared by

Synergy, Inc.  
1763 Columbia Road, NW  
Washington, DC 20009

Submitted by

SIDAC  
5100 Springfield Pike  
Dayton, OH 45431-1231



19970128 071

DTIC QUALITY INSPECTED 1

# REPORT DOCUMENTATION PAGE

Form Approved  
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1213 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

1. AGENCY USE ONLY (Leave blank)		2. REPORT DATE 30 October 1994	3. REPORT TYPE AND DATES COVERED Task Assignment Plan	
4. TITLE AND SUBTITLE  Task Assignment Plan for Development of LG Databases and Expansion of SEMR			5. FUNDING NUMBERS  Contract No. F33657-92-D-2055  Delivery Order No. 0081	
6. AUTHOR(S)  Pinkston, David Reed, Raymond L.				
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)  Synergy, Inc. 1763 Columbia Rd, NW Washington, DC 20009			8. PERFORMING ORGANIZATION REPORT NUMBER  SID12189	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)  HQ USAF/LGSI 1030 Air Force Pentagon Washington, DC 20330-1030			10. SPONSORING/MONITORING AGENCY REPORT NUMBER  SID/MR-94/0042	
11. SUPPLEMENTARY NOTES				
12a. DISTRIBUTION/AVAILABILITY STATEMENT  Approved for Public Release; Distribution is Unlimited.			12b. DISTRIBUTION CODE	
13. ABSTRACT (Maximum 200 words)  This Task Assignment Plan will explain how Synergy, Inc. will fulfill the HQ USAF/LGSI and LGMY requirement for logistics studies and analysis support to develop and maintain a suite of Logistics Analytical Databases (LOGADs). This database will be used to assess current and expected peacetime readiness and wartime sustainability based on past, current, and projected logistics metrics. Additionally, Synergy will fulfill the requirement for the expansion of the SEMR program to include all of the Air Force's major weapon systems.				
14. SUBJECT TERMS  Logistical Analytical Databases(LOGADs), Sustainment Executive Management Report(SEMR)			15. NUMBER OF PAGES 4	
			16. PRICE CODE	
17. SECURITY CLASSIFICATION OF REPORT Unclassified	18. SECURITY CLASSIFICATION OF THIS PAGE Unclassified	19. SECURITY CLASSIFICATION OF ABSTRACT Unclassified	20. LIMITATION OF ABSTRACT	



Synergy, Inc.  
1763 Columbia Road, NW  
Washington, DC 20009  
202-232-6261  
FAX: 202-232-8359

09 November 1994

Maj Randy Moller  
HQ USAF/LGSI  
1030 Air Force Pentagon  
Washington, DC 20330-1030

Dear Maj Moller:

Contract F33657-92-D-2055  
SIDAC Task No. 96  
Delivery Order No. 0081  
CDRL A009, Data Item MGMT-80057

Enclosed is the Task Assignment Plan for *Development of LG Databases and Expansion of SEMR*, as required under the above-referenced contract.

If you have questions, please contact me at 202-232-6261.

Sincerely,

A handwritten signature in black ink, appearing to read "James A. Lutz", is written over a horizontal line.

James A. Lutz  
Task Leader

c: DCMAO (Mr. Leon Sulton) Letter Only  
SIDAC (Mr. Heston Hicks)

Contract No. F33657-92-D-2055  
SIDAC Task Number 96, Delivery Order No. 0081  
CDRL A009, Data Item DI-MGMT-80057

(Unclassified)

**TASK ASSIGNMENT PLAN**  
**on**  
**DEVELOPMENT OF LG DATABASES AND EXPANSION OF SEMR**

Prepared for

HQ USAF/LGSI  
1030 Air Force Pentagon  
Washington, DC 20330-1030  
Attn: Maj Randy Moller

30 October 1994

Prepared by

Synergy, Inc.  
1763 Columbia Road, NW  
Washington, DC 20009-2834

Submitted by

SIDAC  
5100 Springfield Pike  
Dayton, OH 45431-1231

# **TASK ASSIGNMENT PLAN**

## **on**

### **DEVELOPMENT OF LG DATABASES AND EXPANSION OF SEMR**

#### **Introduction**

Synergy will fulfill the HQ USAF/LGSI and LGMY requirement for logistics studies and analysis support to develop and maintain a suite of Logistics Analytical Databases (LOGADs). This database will be used to assess current and expected peacetime readiness and wartime sustainability based on past, current, and projected logistics metrics. Additionally, Synergy will fulfill the requirement for the expansion of the SEMR program to include all of the Air Force's major weapon systems.

#### **Goals and Objectives**

Synergy shall research, design, test, verify, validate, implement, and maintain a suite of Logistics Analytical Databases (LOGADs) for use by the HQ USAF/LGSI and LGMY staffs. The LOGADs will be divided into unclassified and classified databases.

Synergy shall also research, design, develop, verify, validate, and document the inclusion of ICBMs in the SEMR program.

#### **Technical Approach**

##### **USAF/LG Database**

Synergy will accomplish this tasks by researching, designing, developing, testing, implementing, and maintaining a database for the HQ USAF/LGSI and LGMY staffs. Synergy will provide a Critical Design Review (CDR), users manual, and technical report.

#### **Expansion of SEMR**

Synergy will accomplish this task by researching, designing, developing, testing, validating, and implementing data to support the expansion of SEMR to incorporate ICBMs. Synergy will incorporate the indicators and subindicators established by the ICBM community to assess the health of the weapon system. Also, Synergy will build interfaces with the databases necessary to populate SEMR to assess the weapon system. Synergy will design the ICBM SEMR, like the aircraft SEMR, with the ability to manipulate data, create graph charts, and generate numerous reports.

#### **Project Schedule and Milestones**

The Work Breakdown Structure (WBS) in Figure 1 represents Synergy's proposed time line for accomplishing the tasks associated with the Statement of Work. Synergy will apply the most experienced personnel on this project and will produce the best products possible within the time and funds allocated by the government. The Synergy program manager will

prioritize the efforts for the tasks to make the most efficient and effective use of available resources.

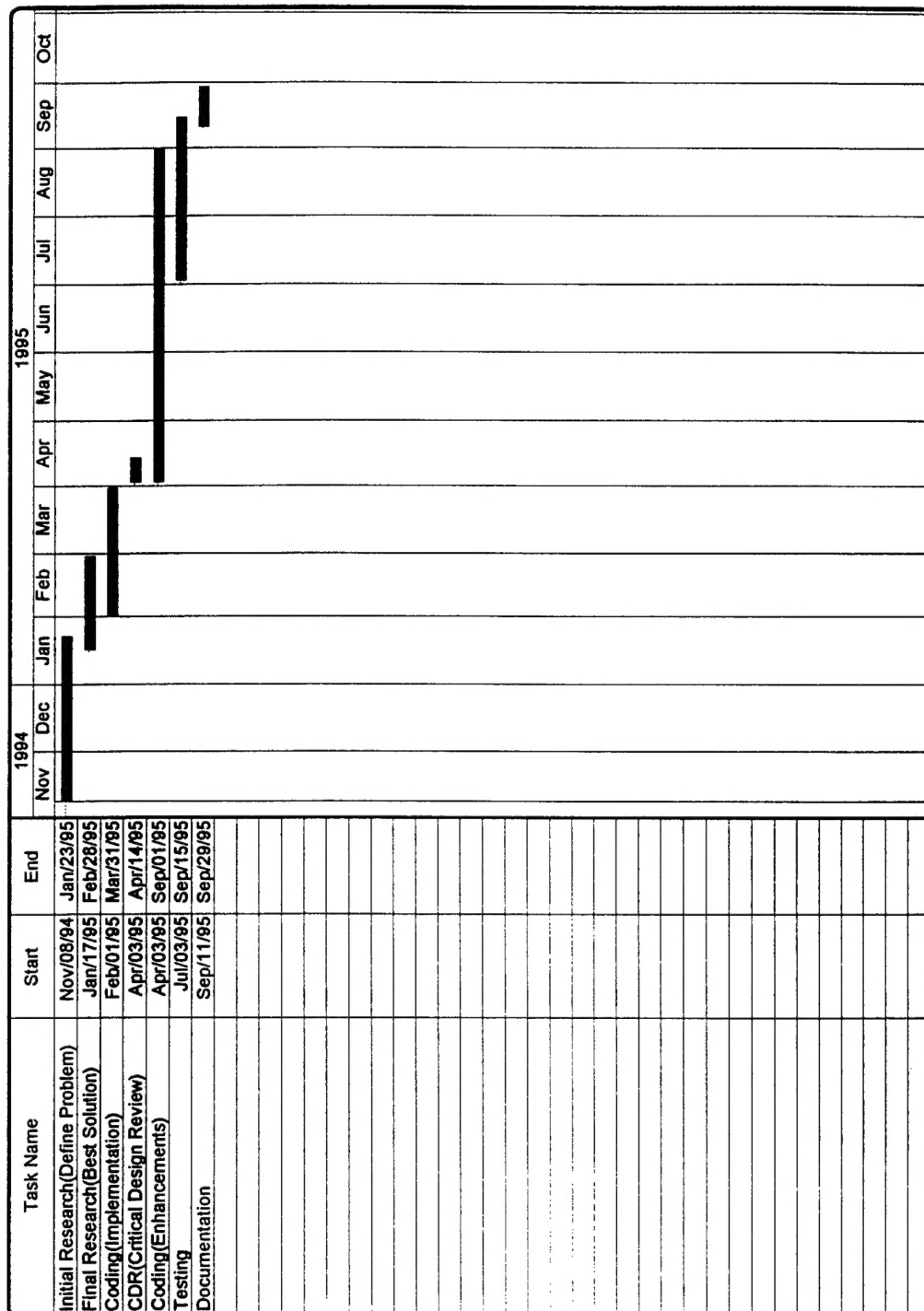


Figure 1. Work Breakdown Structure

## **Deliverables**

The following deliverables will be submitted for the efforts performed under this task:

- (1) Final technical report on the task (CDRL A001) to describe the efforts and results that went into the accomplishment of the task.
- (2) Monthly progress and status reports submitted every thirty (30) days throughout the duration of the contract (CDRL A004). These reports will keep the SIDAC contracting officer's technical representative (COTR) informed of the progress of the task on a monthly basis.
- (3) Software Users Manual (CDRL A006) to instruct users on proper software use.
- (4) The software (CDRL A007) necessary to complete the task.
- (5) Presentation Material (CDRL A007). The final briefing on the task results.
- (6) Task Assignment Plan (CDRL A009). The plan presented in this document, which covers the objectives, technical approach, and schedule for performance of the Statement of Work.

## **Project Staffing and Experience**

This project will be staffed with extremely qualified personnel. The education, capabilities, and experience of key personnel are summarized here.

Mr. James A. Lutz, Program Manager, Ph.D. program in Mathematics/graduate studies in operations research and statistics. He has more than 20 years of experience in logistics management, capability assessment, program and budget analysis, and operations analysis. As a member of Synergy's Operations Management Committee, he directs the performance of work on all Synergy contracts. He specializes in the development and application of quantitative models for analysis of policies in logistics management, budgeting, capability assessment, and R&M.

Mr. Raymond L. Reed, Senior Logistics Management Specialist, M.S. Organic Chemistry. Mr. Reed has more than 20 years of experience in Air Force logistics. His areas of expertise include logistics management, tactical systems analysis, and acquisition management. He serves as project manager for development and implementation of new parametric/interactive models, designed to perform logistics resource assessments of the U.S. Air Force's air mobility and air combat weapon systems. He will serve as project manager for the tasking described in this document.

Mr. William E. Faragher, Senior Scientist, M.A. Mathematics. Mr. Faragher has more than 35 years of experience in operations research and logistics analysis. He is responsible for the software development for a suite of logistics assessment models designed for estimating the

impact of budget decisions on aircraft readiness and sustainability. He directed the development of a database management system that imports data from a variety of automated sources and generates a set of output files for use in Synergy-developed logistics assessment models.

Mr. Glenn L. Archer, Junior Logistics Management Specialist, B.A. Economics. Mr. Archer supervises all O&M assessments for the Air Force and Army. He is responsible for completing the development of the Engine Logistics Assessment Model, which provides the Air Force with projections concerning the health of their engines inventory. He is responsible for designing, testing, and delivering this model to HQ USAF/LGSI and SA-ALC/LPF.

#### **Point of Contact**

Maj Randy Moller  
Logistics Analysis Team  
HQ USAF/LGSI  
1030 Air Force Pentagon  
Washington, DC 20330-1030

Voice: DSN 225-6730; Commercial 703-695-6730  
Fax: DSN 227-6787; Commercial 703-695-6787